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New microbe belonging to Mucor species - can produce high gamma
linolenic acid content lipid component

Patent Assignee: (ITOC-) ITOCHU SEITO KK

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Abstract (Basic): JP01132371

New microbe which belongs to Mucor sp. and can produce high gamma
linolenic acid content lipid component and deposited as FERM-9680 is
claimed. The microbe is cultured on carbohydrate, adding medium as
carbon source from the formed cells, lipid component of high
gamma-linolenic acid content is extracted.

Content of gamma-linolenic acid is at least 25% of fatty acid
compon. in lipid component. The high gamma-linolenic acid content lipid
is prep'd. by saponification of the lipid component. The Mucor sp.
microbe is Mucor sp. M-595. It is cultured on medium at pH 4-5.5, 25-30
deg.C for 3-5 days.

USE/ADVANTAGE - The lipid has high gamma-linolenic acid content
and low linolic acid etc. content that have similar chemical behaviour.
Also as the microbe can utilise carbohydrate as carbon source, the
growth is rapid. So purificn. of gamma linolenic acid is easy,
blackstrap molasses can be used for carbon source, it is very
economical. @ (4pp Dwg.No.0/0)@

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